

Patent Claims for US:

1. A structural phosphoprotein having a molecular weight of about 28 kD (pp28) from human cytomegalovirus (HCMV), and immunogenic parts thereof, obtainable by expression of the gene which is located in the region of the fragment HindIII R of the genome of HCMV, strain Ad 169, or immunogenic parts of this gene.
2. pp28 and immunogenic parts thereof, obtained by expression of the gene which is located on a 1.0 kb SmaI fragment within the HindIII R fragment from the genome of HCMV, strain Ad 169, or parts of this gene, or fragments equivalent thereto from other HCMV strains.
3. DNA structures and vectors which contain the gene which codes for pp28 or parts of this gene, as claimed in claim 1.
4. DNA structures and vectors which contain the gene which codes for pp28 or parts of this gene, as claimed in claim 2.
5. Prokaryotic or eukaryotic cells which are transformed with DNA structures or vectors as claimed in claim 3.
6. Prokaryotic or eukaryotic cells which are transformed with DNA structures or vectors as claimed in claim 4.
7. A method for the preparation of pp28 or of immunogenic parts thereof, which comprises bringing about the expression, in whole or in part, of the gene which codes for pp28 as claimed in claim 1.
8. The method as claimed in claim 7, wherein the 1.0 kb SmaI fragment from the HindIII R fragment, or fragments equivalent thereto from other HCMV strains, are used.
9. A diagnostic aid which contains proteins or parts

thereof as claimed in claim 1.

10. A diagnostic aid which contains proteins or parts thereof as claimed in claim 2.
11. A diagnostic aid which contains poly- or monoclonal antibodies against protein as claimed in claim 1.
12. A diagnostic aid which contains poly- or monoclonal antibodies against protein as claimed in claim 2.
13. A diagnostic aid which contains DNA sequences or parts thereof as claimed in claim 3, or sequences hybridizing therewith.
14. A diagnostic aid which contains DNA sequences or parts thereof as claimed in claim 4, or sequences hybridizing therewith.
15. A vaccine which contains proteins or parts thereof as claimed in claim 1.
16. A vaccine which contains proteins or parts thereof as claimed in claim 2.

add
β2

Add
ε2

Add
C'

~~Add~~
Add F67
add H57

add I6> add J5>